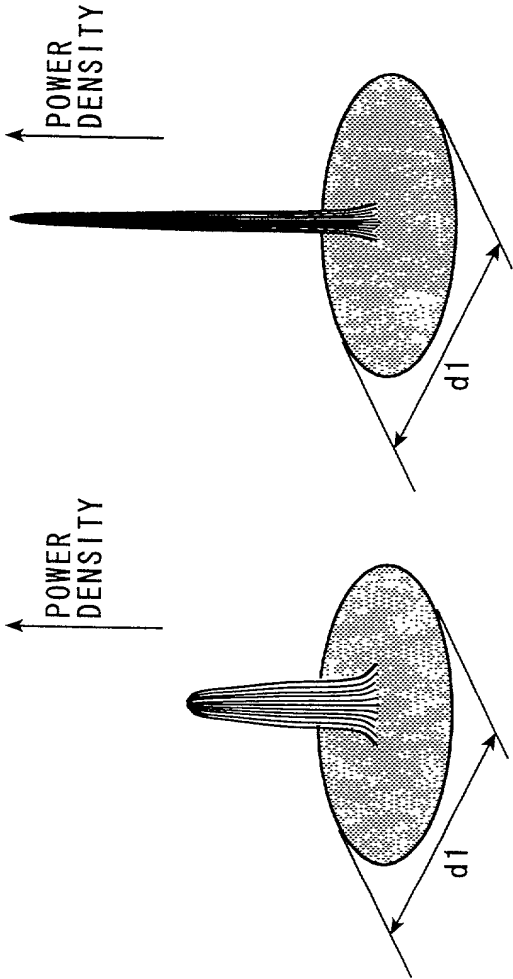


RELATED ART  
Fig. 1A

RELATED ART  
Fig. 1B



RELATED ART  
Fig. 2A

RELATED ART  
Fig. 2B

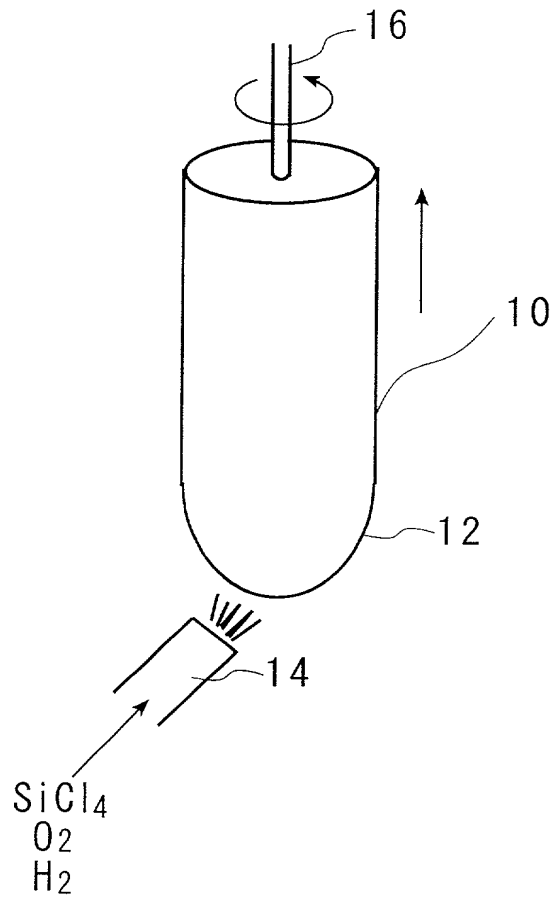
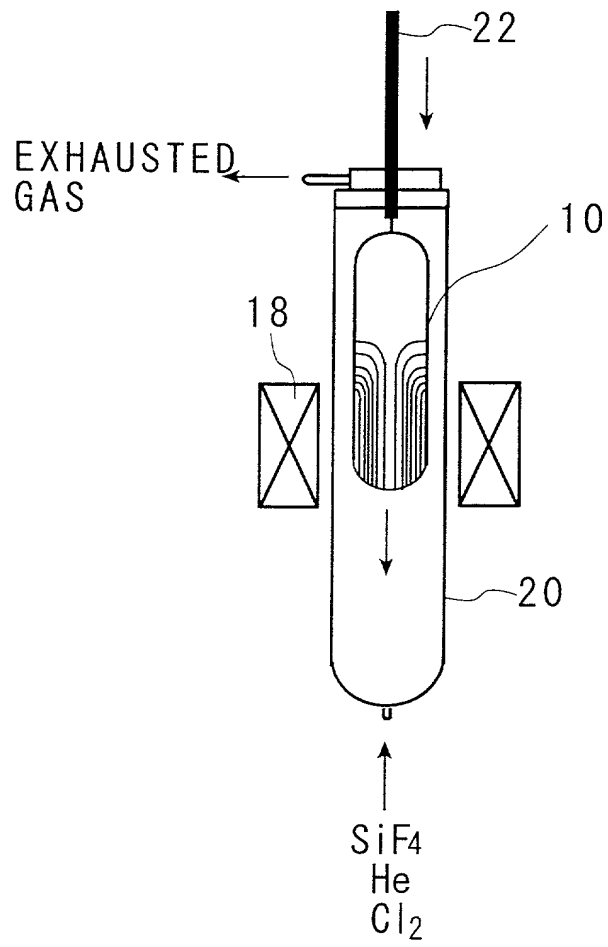
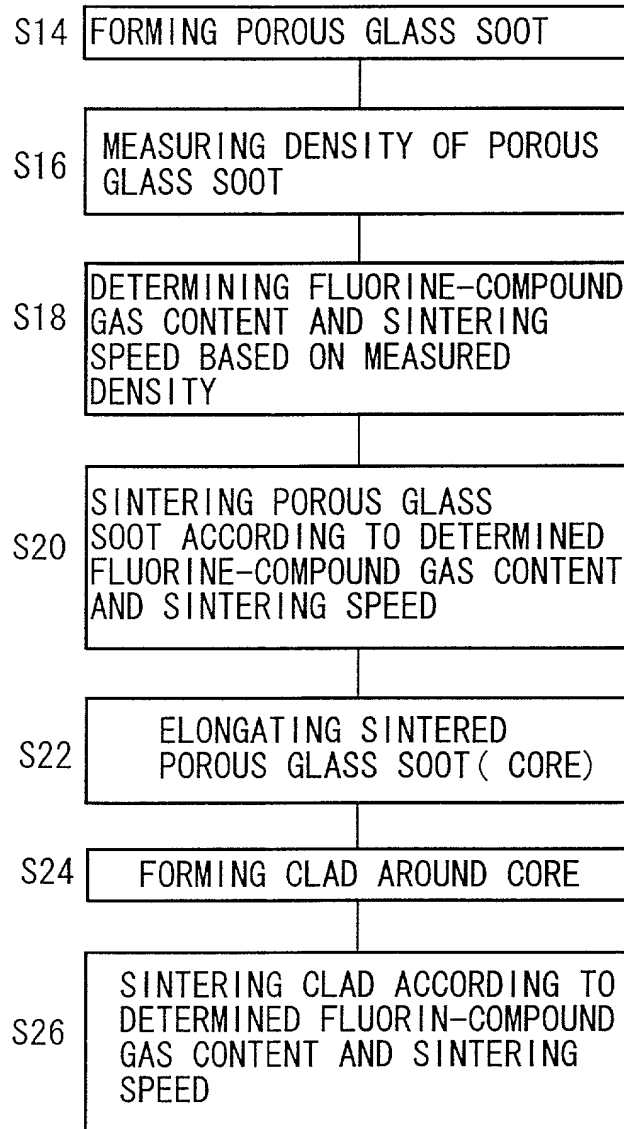


Fig. 3

*Fig. 4*

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*Fig. 5*

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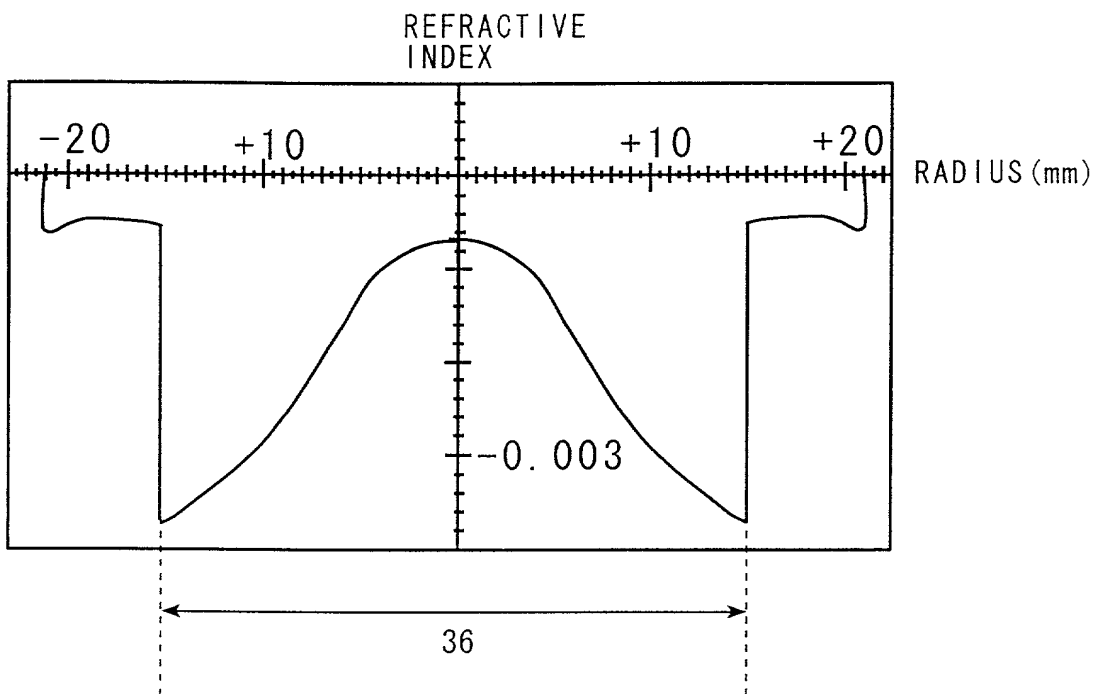


Fig. 6

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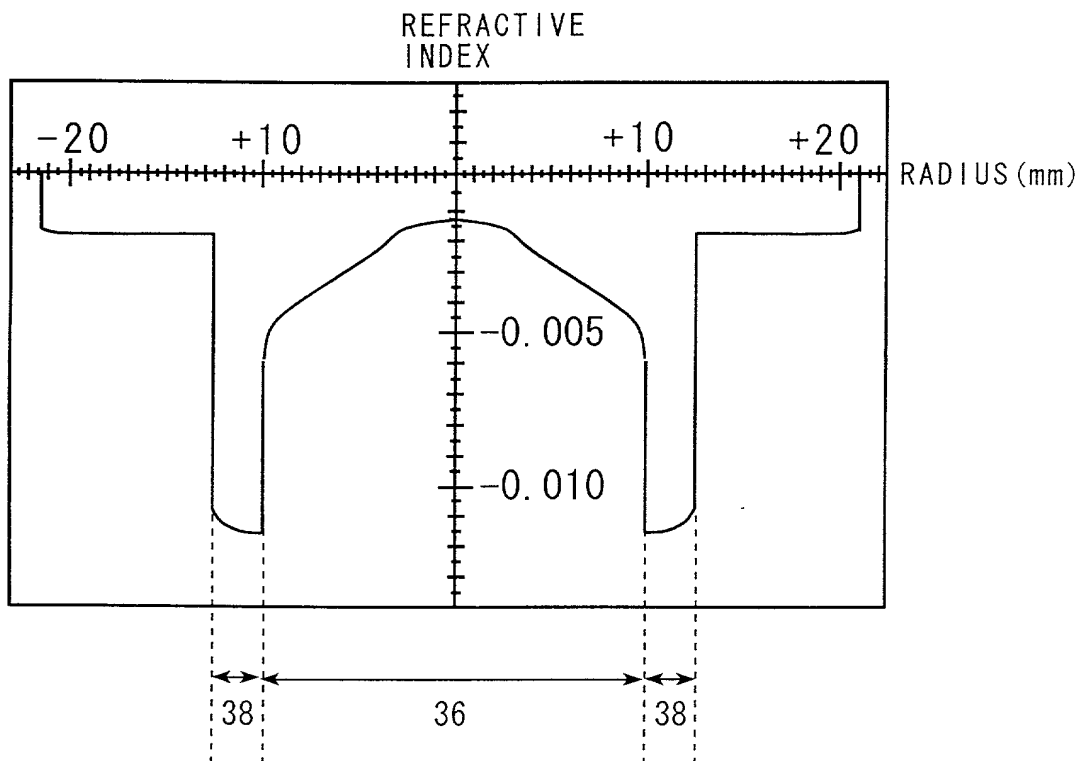
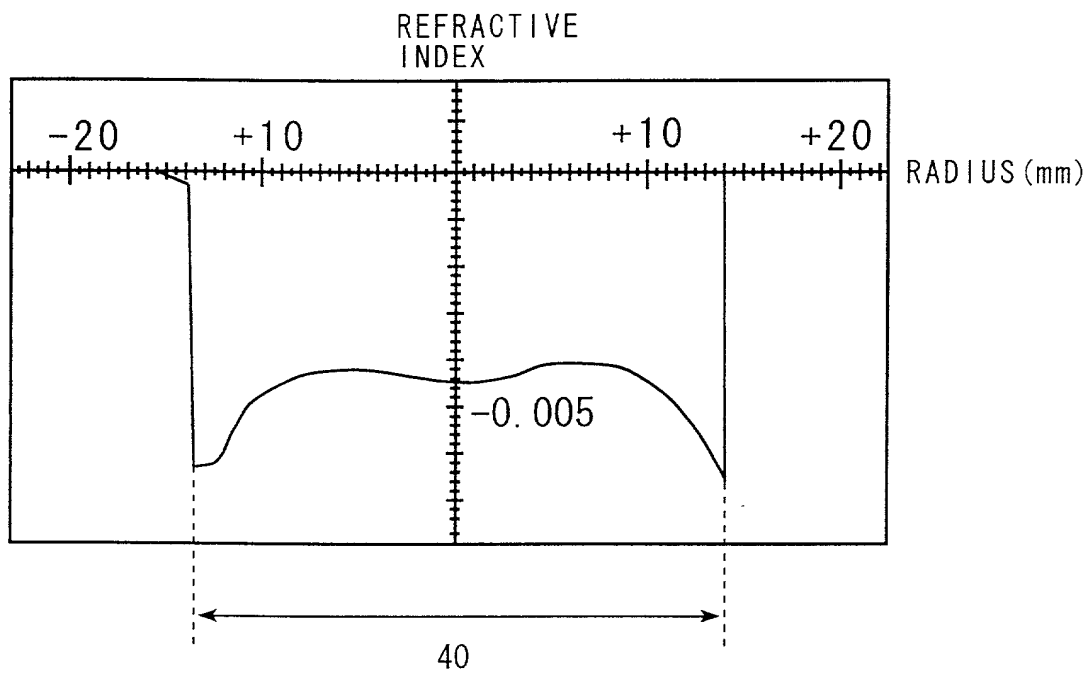


Fig. 7

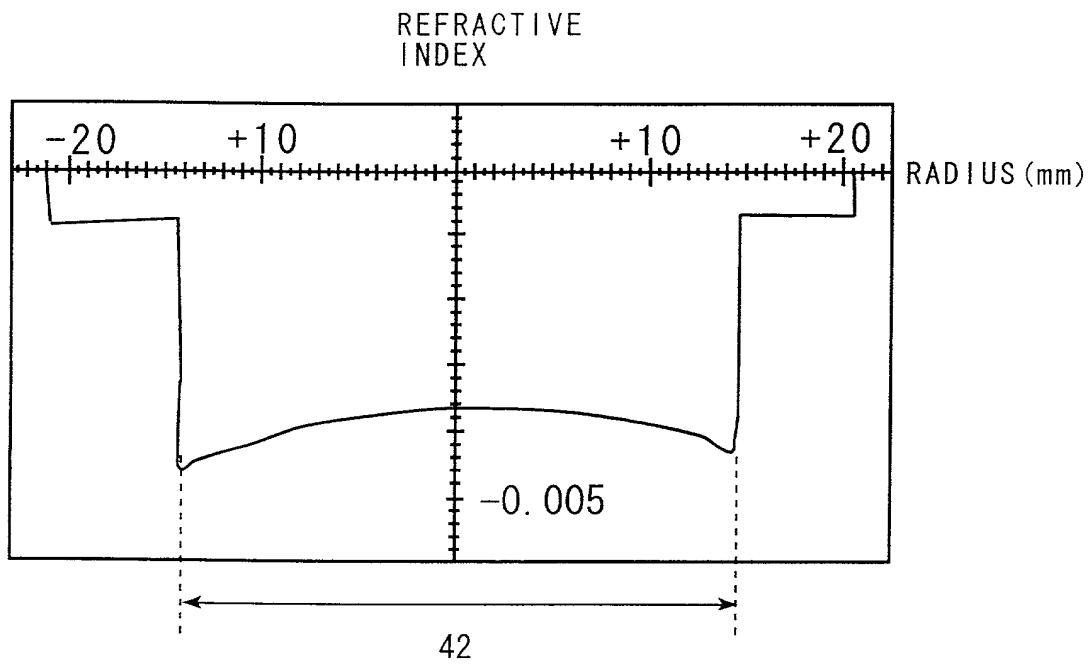
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*Fig. 8*



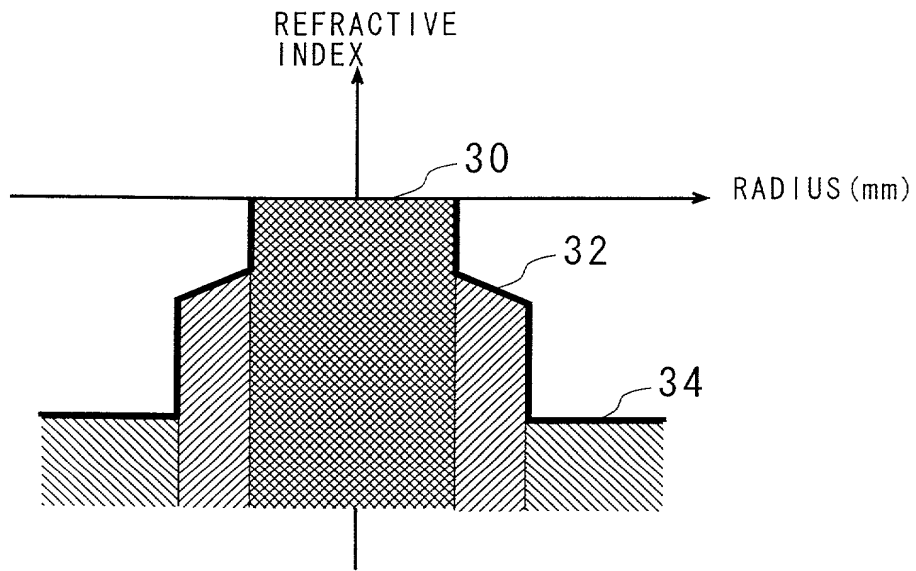
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*Fig. 9*

	DENSITY OF POROUS GLASS SOOT (g/cm <sup>3</sup> )	FLUORINE GAS CONTENT (Vol%)	SINTERING SPEED (mm/min)	QUALITY OF REFRACTIVE INDEX PROFILE	
EXAMPLE	1	0.22	2	7.0	GOOD
	2	0.22	6	7.0	GOOD
COMPARATIVE EXAMPLE	1	0.42	100	4.0	COULD NOT MANUFACTURE CORE
	2	0.20	35	7.0	BAD
	3	0.22	2	1.0	BAD
	4	0.22	6	1.0	BAD
	5	0.22	1.6	3.0	BAD
	6	0.22	2	3.0	BAD
	7	0.22	6	3.0	BAD

Fig. 10



*Fig. 11*

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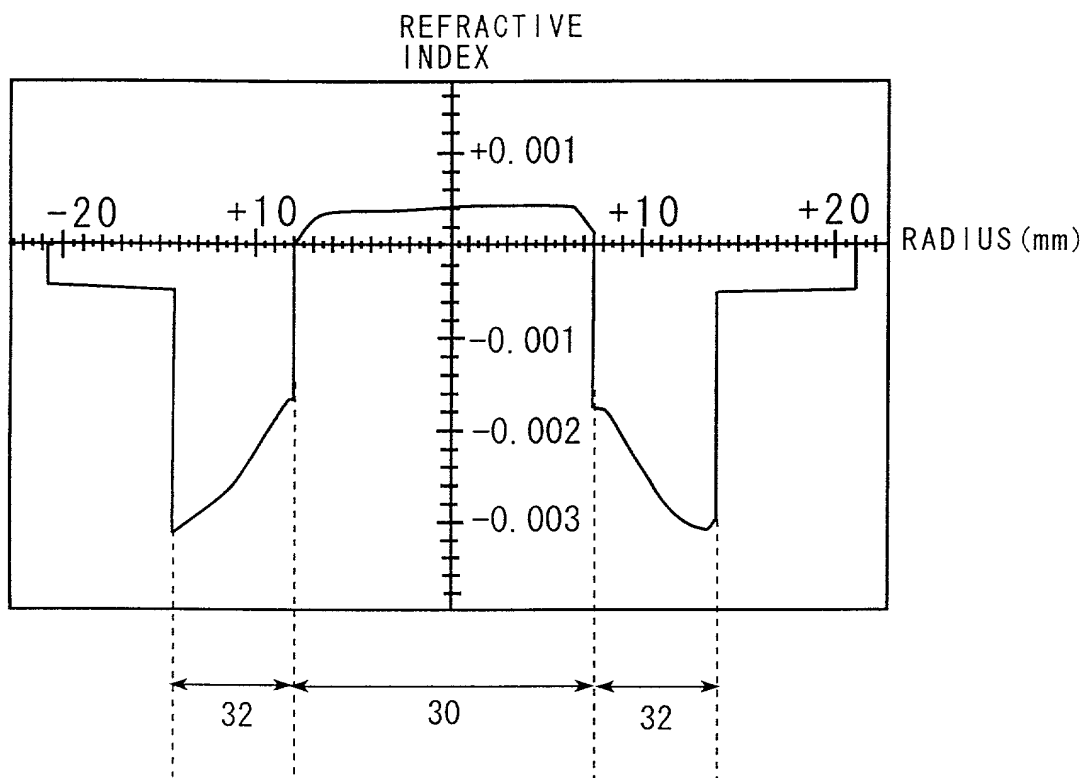


Fig. 12

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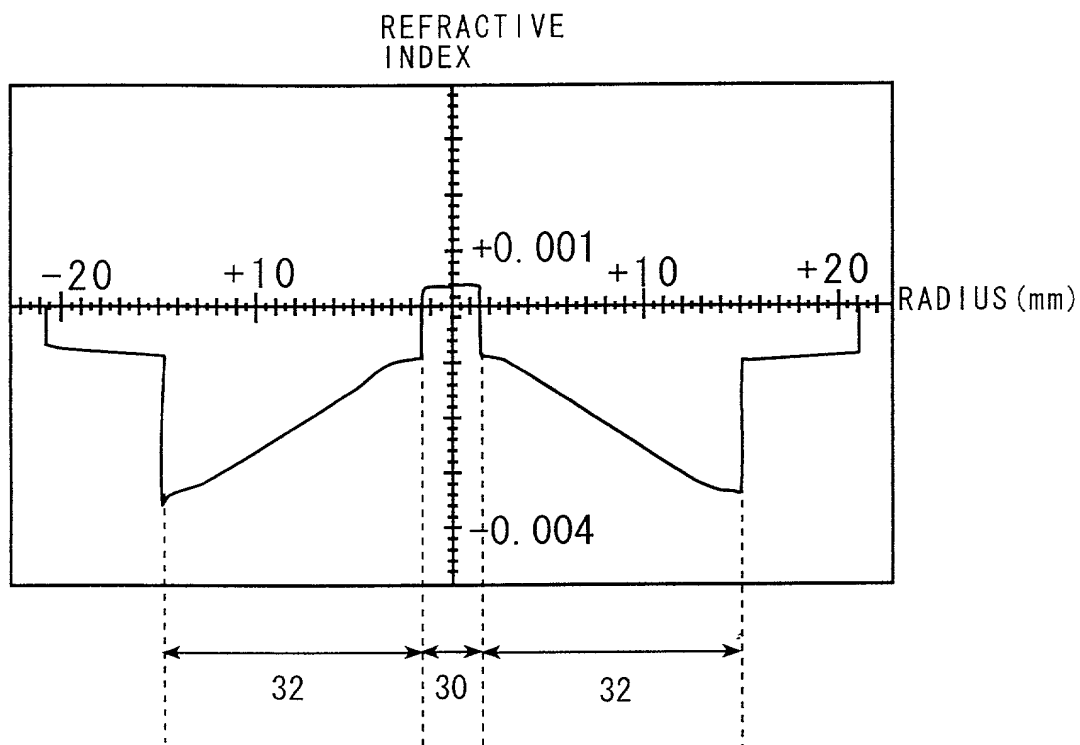
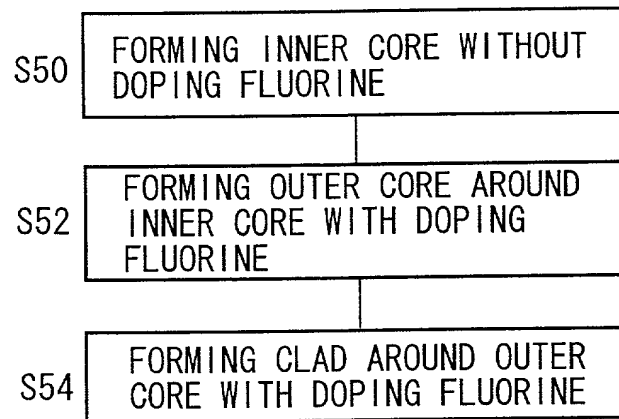
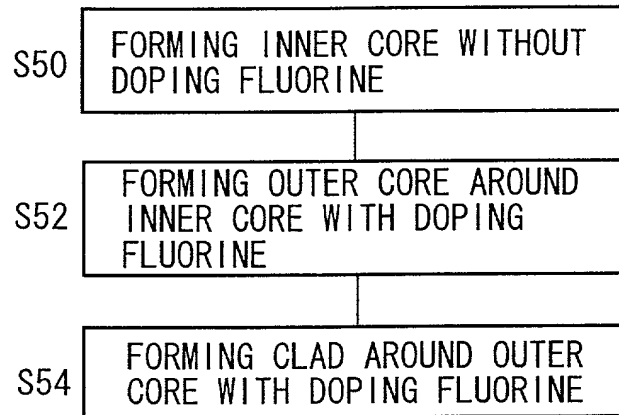


Fig. 13

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*Fig. 14*



*Fig. 14*